

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/000702

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: H04R 25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPAT, USPTO, INSPEC: signal, oscillation, suppress, frequency, phase, time, band, domain, random, change, waveform and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6498858B2 (KATES), 24 December 2002 whole document	
A	US 6434246B1 (KATES et al), 13 August 2002 whole document	
A	Wang, R. and Harjani, R., "Acoustic Feedback Cancellation in Hearing Aids", in Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing (Cat. No. 92CH3252-4), Minneapolis, USA, April 1993, pp137-140 whole document	
A	Wang, R. and Harjani, R., "Suppression of Acoustic Oscillations in Hearing Aids Using Minimum Phase Techniques", in Proceedings of the IEEE International Symposium on Circuits and Systems, 1993, pp. 818-821 whole document	

Further documents are listed in the continuation of Box C

See patent family annex

* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
--	--

Date of the actual completion of the international search
6 July 2004

Date of mailing of the international search report
12 JUL 2004

Name and mailing address of the ISA/AU
AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaaustralia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer
MANISH RAJ
Telephone No : (02) 6283 2175

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/000702

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	6498858	AU	13123/99	AU	32075/99	AU	32099/99
		AU	71186/96	AU	73658/98	EP	0855129
		EP	0986933	EP	1033063	EP	1068773
		EP	1080606	NO	981561	US	6072884
		US	6097824	US	6104822	US	6219427
		US	6434246	US	2001002930	US	2002094100
		US	2003053647	WO	9714266	WO	9856210
		WO	9926453	WO	9951059	WO	9960822

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX